

TITLE OF THE INVENTION
SYNTHETIC HUMAN PAPILLOMAVIRUS GENES

ABSTRACT OF THE DISCLOSURE

- 5 Synthetic DNA molecules encoding papillomavirus proteins are provided. The codons of the synthetic molecules are codons preferred by the projected host cell. The synthetic molecules may be used as a polynucleotide vaccine which provides effective immunoprophylaxis against papillomavirus infection through stimulation of neutralizing antibody and cell-mediated immunity.

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